

ADDENDUM NO. 2

**CITY OF HIALEAH
FARMERS MARKET
1200 SE 10TH CT.
HIALEAH, FLORIDA**


FEBRUARY 4, 2016

TO ALL CONCERNED

The original Contract Documents, for the Project entitled **CITY OF HIALEAH – FARMERS MARKET, FLOORING-POLISHED CONCRETE BID NO. 2015/16-3230-00-013** is hereby amended as noted in this Addendum No. 2.

This Addendum No. 2 consists of 1 Typed Pages, 0 Sketches, 6 Attachments and 0 Drawings. All other items and conditions of the original Contract Documents shall remain unchanged. This Addendum shall become a part of the Contract Documents.

Approved for issue: _____


Vicente Rodriguez – Director

Date: February 4, 2016

ACKNOWLEDGEMENT

Receipt of this Addendum No. 2 shall be acknowledged in the space provided on the ADDENDUM RECEIPT FORM (ARF) (copy attached) now a part of the contract documents, faxed immediately to City of Hialeah @ (305) 687-2642, and submitted with sealed bids.

IN THE CONTRACT DOCUMENTS:

CLARIFICATION:

1. Attached are specifications for the new flooring system.

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END OF ADDENDUM NO. 2**

SECTION 096723 - RESINOUS FLOORING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Decorative Concrete
 - 2. Sparta-Seal™ Clear Concrete Sealer System
- B. Related Sections:
 - 1. Section 079200 "Joint Sealants" for sealants installed at joints in resinous flooring systems.
 - 2. Section 096623 "Resinous Matrix Terrazzo Flooring" for thin-set, resinous matrix terrazzo.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated. Include manufacturer's technical data, application instructions, and recommendations for each resinous flooring component required.
- B. LEED Submittals:
 - 1. Product Data for Credit IEQ 4.2: For liquid-applied flooring components, documentation including printed statement of VOC content.
 - 2. Laboratory Test Reports for Credit IEQ 4: For flooring systems, documentation indicating that products comply with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."
- C. System Application Guide: Manufacturer's detailed installation instructions for system being installed
- D. Samples for Initial Selection: For each type of exposed finish required.
- E. Samples for Verification: For each resinous flooring system required, 6 inches (150 mm) square, applied to a rigid backing by Installer for this Project.
- F. Product Schedule: For resinous flooring.

1.4 INFORMATIONAL SUBMITTALS

- A. Installer Certificates: Signed by manufacturer certifying that installers comply with specified requirements.
- B. Material Certificates: For each resinous flooring component, from manufacturer.

- C. Material Test Reports: For each resinous flooring system.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For resinous flooring to include in maintenance manuals.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: Manufacturer's authorized representative who is trained and approved for installation of flooring systems required for this Project.
 - 1. Engage an installer who is certified in writing by resinous flooring manufacturer as qualified to apply resinous flooring systems indicated.
- B. Source Limitations: Obtain primary resinous flooring materials, including primers, resins, hardening agents, grouting coats, and topcoats, from single source from single manufacturer. Provide secondary materials, including patching and fill material, joint sealant, and repair materials, of type and from source recommended by manufacturer of primary materials.
- C. Mockups: Apply mockups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
 - 1. Apply full-thickness mockups on 48-inch- (1200-mm-) square floor area selected by Architect.
 - a. Include 48-inch (1200-mm) length of integral cove base with inside and outside corner.
 - 2. Simulate finished lighting conditions for Architect's review of mockups.
 - 3. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.
- D. Pre-installation Conference: Conduct conference at:

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials in original packages and containers, with seals unbroken, bearing manufacturer's labels indicating brand name and directions for storage and mixing with other components.

1.8 PROJECT CONDITIONS

- A. Environmental Limitations: Comply with resinous flooring manufacturer's written instructions for substrate temperature, ambient temperature, moisture, ventilation, and other conditions affecting resinous flooring application.
- B. Lighting: Provide permanent lighting or, if permanent lighting is not in place, simulate permanent lighting conditions during resinous flooring application.
- C. Close spaces to traffic during resinous flooring application and for not less than 24 hours after application unless manufacturer recommends a longer period.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Basis-of-Design Product: Subject to compliance with requirements, provide HP Spartacote product named or comparable product:
1. Resinous flooring product to be manufactured under US Patents: 6,833,424 & 7,169,876
 2. Not all manufacturers produce all categories and types of resinous flooring systems; verify availability and revise list below to suit Project. Insert manufacturer'

2.2 Decorative Concrete

- A. Resinous Flooring: Abrasion-, impact- and chemical-resistant, high-performance, resin-based, monolithic floor surfacing designed to produce a seamless floor[and integral cove base].

1. Basis-of-Design Product: HP Spartacote, Sparta-Seal™ Clear Concrete Sealer System

- B. System Characteristics:

1. Color and Pattern: [As selected by Architect from manufacturer's full range] [As indicated by product designation listed above] [Match Architect's sample] <Insert description>.
2. Wearing Surface: [Textured for slip resistance] [Orange-peel texture] [Smooth] [Manufacturer's standard wearing surface] <Insert description>.
3. Overall System Thickness: 6 mils.
4. Federal Agency Approvals: [USDA] [FDA] approved for food-processing environments.

- C. Primer-Coat:

1. Name: Sparta-Flex® Clear
2. Resin: Polyaspartic Aliphatic Polyurea
3. Formulation Description: 72% Solids Gloss or 65% Solids Low Gloss (satin)
4. Application Method: Roller, Squeegee, Broom
 - a. Thickness of Coats: 3 mils
 - b. Number of Coats: one
5. Aggregates: Incorporate Sparta-Grip™ traction additive as needed for increased traction COF

- D. Top-Coat:

1. Name: Sparta-Flex® Clear
2. Resin: Polyaspartic Aliphatic Polyurea
3. Formulation Description: 72% Solids Gloss or 65% Solids Low Gloss (satin)
4. Application Method: Roller, Squeegee, Broom
 - a. Thickness of Coats: 3 mils
 - b. Number of Coats: one
5. Aggregates: Incorporate Sparta-Grip™ traction additive as needed for increased traction COF
6. Diamond-Topp™ Additive: For heavy-duty applications, incorporate Diamond-Topp™ wear coat additive to increase abrasion resistance. Diamond-Topp™ will leave a lightly textured matte finish.

- E. System Physical Properties: Provide resinous flooring system with the following minimum physical property requirements when tested according to test methods indicated:

1. Adhesion: 400+ concrete fracture per ASTM D 4541.
2. Tensile Strength: 4,500-5,000 per ASTM D 638.

3. Impact Direct/Reverse: 160/160 per ASTM D 2794 Inch Pounds.
4. Abrasion Resistance: 22-28 maximum weight loss per ASTM D 4060.
5. Flammability: Self-extinguishing per ASTM D 635.
6. Hardness: 94 Shore D per ASTM D 2240.
7. COF Wet: .83, COF Dry: .98

F. System Chemical Resistance: As per manufacturer's chemical resistance chart

2.3 ACCESSORIES

- A. Waterproofing Membrane: HP Spartacote Hydro-Shield SL™ for concrete slabs exhibiting elevated moisture vapor emission rates (> 3 lbs over 1000 sq ft in 24 hours).
 1. Formulation Description: 100% Solids Chemically Enhanced Epoxy
- B. Patching and Fill Material: HP Spartacote Fast Fix™ or resinous product of or approved by resinous flooring manufacturer and recommended by manufacturer for application indicated.
- C. Joint Filler Material: HP Spartacote Joint-Flex® flexible polyuria joint filler or similar product.
- D. Traction Additive: Sparta-Grip™ traction additive from HP Spartacote or similar material available in 40,60 and 100 mesh sizes
- E. Wear Coat Additive: Diamond-Topp™ additive from HP Spartacote or similar material.

PART 3 - EXECUTION

3.1 PREPARATION

- A. General: Prepare and clean substrates according to resinous flooring manufacturer's written instructions for substrate indicated. Provide clean, dry substrate for resinous flooring application.
- B. Concrete Substrates: Provide sound concrete surfaces free of laitance, glaze, efflorescence, curing compounds, form-release agents, dust, dirt, grease, oil, and other contaminants incompatible with resinous flooring.
 1. Roughen concrete substrates as follows:
 - a. Mechanically profile surfaces with an apparatus that abrades the concrete surface to a profile as specified by system application guide.
 - b. Comply with ASTM C 811 requirements unless manufacturer's written instructions are more stringent.
 2. Repair damaged and deteriorated concrete according to resinous flooring manufacturer's written instructions.
 3. Verify that concrete substrates are dry and moisture-vapor emissions are within acceptable levels according to manufacturer's written instructions.
 - a. Perform anhydrous calcium chloride test, ASTM F 1869. Proceed with application of resinous flooring only after substrates have maximum moisture-vapor-emission rate of [3 lb of water/1000 sq. ft. (1.36 kg of water/92.9 sq. m)] <Insert emission rate> of slab area in 24 hours.

- b. Perform plastic sheet test, ASTM D 4263. Proceed with application only after testing indicates absence of moisture in substrates.
- c. Perform relative humidity test using in situ probes, ASTM F 2170. Proceed with installation only after substrates have a maximum [75] <Insert number> percent relative humidity level measurement.

4. Alkalinity and Adhesion Testing: Verify that concrete substrates have pH within acceptable range. Perform tests recommended by manufacturer. Proceed with application only after substrates pass testing.

C. Resinous Materials: Mix components and prepare materials according to resinous flooring manufacturer's written instructions.

D. Use patching and fill material to fill holes and depressions in substrates according to manufacturer's written instructions.

E. Treat control joints and other nonmoving substrate cracks to prevent cracks from reflecting through resinous flooring according to manufacturer's written instructions.

3.2 APPLICATION

A. General: Apply components of resinous flooring system according to manufacturer's written instructions to produce a uniform, monolithic wearing surface of thickness indicated.

- 1. Coordinate application of components to provide optimum adhesion of resinous flooring system to substrate, and optimum inter-coat adhesion.
- 2. Cure resinous flooring components according to manufacturer's written instructions. Prevent contamination during application and curing processes.
- 3. At substrate expansion and isolation joints, comply with resinous flooring manufacturer's written instructions.

B. Apply waterproofing membrane, where indicated, in manufacturer's recommended thickness.

- 1. Apply waterproofing membrane to integral cove base substrates.

C. Integral Cove Base: Where indicated, Apply cove base mix to wall surfaces before applying flooring. Apply according to manufacturer's written instructions and details including those for taping, mixing, priming, troweling, sanding, and topcoating of cove base. Round internal and external corners.

- 1. Integral Cove Base: [4 inches (100 mm)] <Insert dimension> high.

D. Apply primer and body coats in thickness indicated for flooring system.

E. Apply topcoats in number indicated for flooring system and at spreading rates recommended in writing by manufacturer.

3.3 FIELD QUALITY CONTROL

A. Core Sampling: At the direction of Owner and at locations designated by Owner, take one core sample per 1000 sq. ft. (92.9 sq. m) of resinous flooring, or portion of, to verify thickness. For each sample that fails to comply with requirements, take two additional samples. Repair damage caused by coring and correct deficiencies.

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- B. Material Sampling: Owner may at any time and any number of times during resinous flooring application require material samples for testing for compliance with requirements.

3.4 PROTECTION

- A. Protect resinous flooring from damage and wear during the remainder of construction period. Use protective methods and materials, including temporary covering, recommended in writing by resinous flooring manufacturer.

END OF SECTION 096723

ADDENDUM RECEIPT FORM

**CITY OF HIALEAH
FARMERS MARKET
1200 SE 10TH CT
HIALEAH, FLORIDA**

CONTRACTOR'S NAME _____

ADDRESS _____

PHONE NO. _____ **FAX NO.** _____

CONTACT NAME _____ **SIGNATURE** _____

THE BIDDER ACKNOWLEDGES RECEIPT OF THE FOLLOWING ADDENDUM BY SIGNING AND DATING BELOW: COPY OF THIS FORM MUST BE FAXED AND IMMEDIATELY TO CITY of HIALEAH @ (305) 687-2642.

<u>ADDENDUM</u>	<u>SIGNATURE</u>	<u>DATE</u>
2	_____	_____
_____	_____	_____
_____	_____	_____

FLOORING-POLISHED CONCRETE - 2015/16-3230-00-013

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